1. Identification of the Substance/Preparation and of the Company/Undertaking

Product name: DOUBLE-COATED ADHESIVE TAPE
Product identifier: TR-5920F
Product Code: P020-00013574-0000
Supplier Address: Nitto Denko Corporation Toyohashi Plant
18, Hirayama, Nakahara-cho, Toyohashi, Aichi, 441-3194, Japan
TEL.+81-532-41-8461, FAX. +81-532-41-8064
Department responsible: Quality Management Dept. Administration Div
Emergency telephone number: +81-532-41-1121 (TOYOHASHI PLANT)
Recommended Use: For LED light

2. Hazards Identification

GHS Classification:
Classification of the substance or mixture: Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

3. Composition/information on Ingredients

<table>
<thead>
<tr>
<th>Single Substance or Mixture</th>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic adhesive</td>
<td>-</td>
<td>-</td>
<td>100</td>
</tr>
<tr>
<td>Silicone coated polyester film (Release liner)</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

* The exact percentage (concentration) of composition has been withheld as a trade secret

4. First aid measures

If inhaled: Will not occur
Skin contact: Peel slowly, then rinse in water
Eye contact: Immediately flush with large amounts of water for at least 15 minutes. Examination and treatment by a physician if necessary
Ingestion: Immediately induce vomiting and then consult a doctor
Most important symptoms/effects, acute and delayed: No information available
Self-protection of the first aider: No information available
Note to physicians: No information available

5. Fire-fighting measures

Fire extinguishing agent: Bags of water, ABC multi-purpose extinguisher, powder extinguisher, CO2 extinguisher
Prohibited media: No information available
Special exposure hazards in a fire: No information available
Specific extinguishing methods: Due to poisonous gas (chlorine gas and so on) may be occurred, if needed, use Gas mask and Goggles
Advice for fire-fighters: Will not occur. Not specified

6. Accidental release measures

Personal Precautions: Will not occur. Not specified
Protective equipment and emergency procedures: Will not occur. Not specified
Environmental precautions: Will not occur. Not specified
Methods and material for containment and cleaning up: Will not occur. Not specified

7. Handling and Storage

Handling:
Technical measures: None in particular
Local and general exhaust: Not required for use in normal temperature
ventilation
Precautions for safe handling
Remarks

Provide adequate ventilation when performing high-temperature processing
None in particular
Use caution and protective gloves to avoid cuts with edges of tape liners

Storage
Technical measures:
Storage conditions
Storage conditions to avoid
Incompatible materials
Conditions for safe storage, including any incompatibilities

None in particular
Store at room at room temperature and normal humidity away from direct sunlight
Avoid high temperature
No data available
Shipping package

8. Exposure Controls/Personal Protection

Control parameters
Permissible concentration
Appropriate engineering controls

Unset
Unset
Not required

Personal protective equipment [PPE]
Respiratory Protection
Hand protection
Eye protection
Skin protection

Not required
Not required
Not required
Not required

General hygiene considerations

None under normal use conditions

9. Physical and Chemical Properties

Physical state
Color
Odor
pH
Melting point / Freezing point
boiling point
Boiling point / boiling range
Flash Point
Autoignition temperature
Upper flammability limit
Vapor pressure
Vapor density
Specific gravity
Solubility
Partition Coefficient (n-octanol/water)
Decomposition temperature

Roll type
Solid
white
None in particular
No data available
No data available
No data available
No data available
175 °C
Rapid equilibrium method
No data available
No data available
No data available
approx 1.7
Insoluble in water
No data available
No data available

10. Stability and Reactivity

Reactivity
Possibility of hazardous reactions
Conditions to avoid
Incompatible materials
Hazardous decomposition products

Stable under normal conditions of use and storage
No data available
None in particular
No data available
No information available

11. Toxicological Information

Acute Toxicity
Skin corrosion/irritation
Serious eye damage/eye irritation
Respiratory sensitization
Germ cell mutagenicity
Reproductive Toxicity
Specification target internal organs/systemic toxicity (single exposure).
Specification target internal organs/systemic toxicity (repeat exposure)
Aspiration hazard

No information available
No information available
No information available
No information available
No information available
No information available
No information available
No information available
No information available

12. Ecological Information
13. Disposal Considerations

Waste treatment methods
Disposal should be in accordance with applicable regional, national and local laws and regulations.
When burning it, use an incinerator which satisfies its technical guidelines (the residence time is 2 seconds or more at a temperature of 800 °C centigrade or more).
Contact an authorized industrial waste treatment company for off-site disposal.

Contaminated packaging
Package: Contact a recycling manufacture

14. Transport Information

International regulations
Transport hazard class: Not Applicable
UN number: Not Applicable

Japanese regulation
Special precautions in connection with transport or conveyance: Do not store in long term under high temperature or leave outdoors

15. Regulatory information

Local regulation: Not Applicable
Foreign regulation: Contact NITTO for more information

REACH 7 Article 33 Article SVHC notification (> 0.1 wt. %): Not Applicable

16. Other information

Key literature references and sources for data
JIS Z 7252: 2009 Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)"
JIS Z7253: 2012 Safety data sheet for chemical products -Content and order of sections

Disclaimer
Contents are based on documents, information and data which are available at this time, but nothing is guaranteed as regards content, physical and chemical properties, hazards.
Also precautions are subject to ordinary handling, so please take safety measures as usage in special cases.

End of Safety Data Sheet